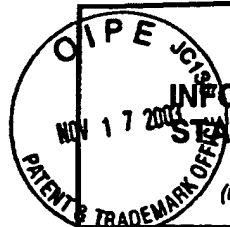


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Substitute for form 1449A/PTO				Application Number	10/040,054
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/4/02
				First Named Inventor	Steven Teig
				Group Art Unit	2661
				Examiner Name	Technology Center 2600
Sheet	1	of	7	Attorney Docket Number	SPLX.P0047

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U.S. PATENT DOCUMENTS

Examiner* Initials	Cite No.	U.S. Patent Document Number Kind Code ¹ (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M70	1.	2001/0009 031 A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844 A1	12-05-2002	Igarashi et al.	
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	16.	5,838,583	11-1998	Varadarajan et al.	
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	19.	6,070,108	05-30-2000	Andreev et al.	
↓	20.	6,128,767	10-03-2000	Chapman	

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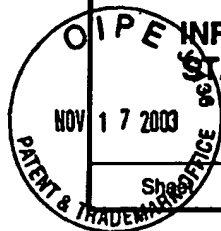
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	22.	6,209,123	B1	03-27-2001	Maziasz et al.	
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			First Named Inventor	Steven Teig	
			Group Art Unit	2661	
			Examiner Name		
<div style="display: flex; justify-content: space-around;"> 3 of 7 </div>			Attorney Docket Number	SPLX.P0047	

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7-11	44.	6,557,145	B2	04-29-2003	Boyle et al.	
↓	45.	6,567,967	B2	05-20-2003	Greidinger et al.	

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Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ²	Number ³	Kind Code (if known)				
M-11	46.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	47.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	48.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	49.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
	50.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the	√

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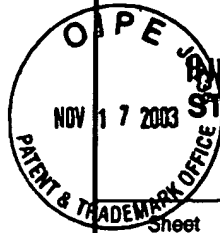
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				First Named Inventor	Steven Teig
				Group Art Unit	2661
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Sheet 4 of 7				RECEIVED NOV 20 2003 Technology Center 2600	
				Attorney Docket Number	SPLX.P0047

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No.	Country	Patent No.	Kind	Inventor	Date	Description	
51.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
52.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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MJD	53.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
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Sheet	6	of	7	Attorney Docket Number	SPLX.P0047

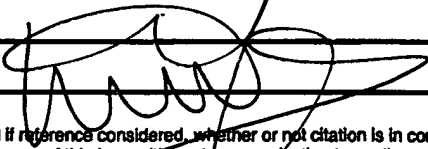
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✓	88.	Zhou, H. et al., Optimal River Routing with Crosstalk Constraints, ACM Transactions on Design Automation of Electronic Systems, vol. 3, No. 3, July 1998, pp. 496-514.

Examiner Signature		Date Considered	12/17/03
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			Filing Date	11/4/02	
			First Named Inventor	Steven Teig	
			Group Art Unit	2661	
			Examiner Name	<not yet>	
Sheet	1	of	4	Attorney Docket Number	SPLX.P0047

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RELATED U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
M-10	1.	2003/0079193	12-07-2001	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	2.	2003/0018947	12-07-2001	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	3.	2002/0147958	10-19-2001	Steven Teig et al.	Parent application per preliminary amendment dated 2/19/03..
	4.	2003/0063614	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	5.	2003/0064559	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	6.	2003/0101428 S/N 10/040,915	01-05-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	7.	Preliminary Amendment S/N 10/040,915	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0101428 does not accurately reflect the claims of S/N 10/040,915.
	8.	2002/0166105 S/N 10/040,948	01-05-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	9.	Preliminary Amendment S/N 10/040,948	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0166105 does not accurately reflect the claims of S/N 10/040,948.
	10.	2003/0043827 S/N 10/040,953	01-05-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	11.	Preliminary Amendment S/N 10/040,953	01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0043827 does not accurately reflect the claims of S/N 10/040,953.

Examiner Signature		Date Considered	11/14/03
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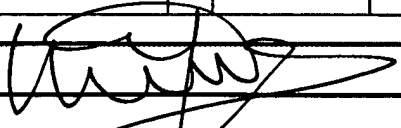
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				First Named Inventor	Steven Teig	
				Group Art Unit	2661	
				Examiner Name	<not yet>	
Sheet	2	of	4	Attorney Docket Number	SPLX.P0047	

RELATED U.S. PATENT DOCUMENTS						
1170	12.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	13.	Preliminary Amendment S/N 10/040,954		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0023943 does not accurately reflect the claims of S/N 10/040,954.
	14.	2003/0066042 S/N 10/040,963		01-05-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	15.	Preliminary Amendment S/N 10/040,963		01-05-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0066042 does not accurately reflect the claims of S/N 10/040,963.
	16.	2002/0174412 S/N 10/041,942		01-07-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	17.	Preliminary Amendment S/N 10/041,942		01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0174412 does not accurately reflect the claims of S/N 10/041,942.
	18.	2003/0088844 S/N 10/041,957		01-07-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	19.	Preliminary Amendment S/N 10/041,957		01-07-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088844 does not accurately reflect the claims of S/N 10/041,957.
	20.	2002/0199165 S/N 10/046,864		01-13-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
	21.	Preliminary Amendment S/N 10/046,864		01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0199165 does not accurately reflect the claims of S/N 10/046,864.
	22.	2003/0066043		01-13-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.

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				First Named Inventor	Steven Teig	
				Group Art Unit	2661	
				Examiner Name	<not yet>	
				Attorney Docket Number	SPLX.P0047	
Sheet	3	of	4			

RELATED U.S. PATENT DOCUMENTS					
23.	2003/0115566		01-13-2002	Steven Teig	Application with some of the same parent provisional and non-provisional applications.
24.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
25.	Preliminary Amendment S/N 10/047,982		01-14-002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0056187 does not accurately reflect the claims of S/N 10/047,982
26.	2003/0066044		01-13-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
27.	2003/0066045		01-13-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
28.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Application with some of the same parent provisional and non-provisional applications.
29.	Preliminary Amendment for S/N 10/047,978		01-13-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088845 does not accurately reflect the claims of S/N 10/047,978.
30.	2002/0133798		12-06-2000	Steven Teig et al.	Application regarding related placement technology.
31.	2002/0100007		12-06-2200	Steven Teig et al.	Application regarding related placement technology.
32.	2002/0073390 S/N 09/737,210		12-13-2000	Steven Teig et al.	Application regarding related placement technology.
33.	Preliminary Amendment S/N 09/737,210		12-13-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0073390 does not accurately reflect the claims of S/N 09/737,210.
34.	S/N 09/737,220		12-13-2000	Steven Teig et al.	Application regarding related placement technology.
35.	S/N 09/737,245		12-13-2000	Steven Teig et al.	Application regarding related placement technology.

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				Filing Date	11/4/02
				First Named Inventor	Steven Teig
				Group Art Unit	2661
				Examiner Name	<not yet>
Sheet	4	of	4	Attorney Docket Number	SPLX.P0047

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RELATED U.S. PATENT DOCUMENTS						
4-10	36.	S/N 09/739,460		12-15-2000	Steven Teig et al.	Application regarding related placement technology.
	37.	2002/0124231 S/N 09/739,580		12-15-2000	Steven Teig et al.	Application regarding related placement technology.
	38.	Preliminary Amendment S/N 09/739,580		12-15-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2002/0124231 does not accurately reflect the claims of S/N 09/739,580.
	39.	S/N 09/739,589		12-15-2000	Steven Teig et al.	Application regarding related placement technology.
	40.	S/N 09/742,171		12-19-2000	Steven Teig et al.	Application regarding related placement technology.
	41.	2003/0121015 S/N 09/745,067		12-19-2000	Steven Teig et al.	Application regarding related placement technology.
	42.	Preliminary Amendment S/N 09/745,067		12-19-2000	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0121015 does not accurately reflect the claims of S/N 09/745,067.
	43.	2002/0069397		01-13-2002	Steven Teig et al.	Application regarding related placement technology.
	44.	2002/0170027		02-20-2002	Steven Teig et al.	Application regarding related placement technology.
	45.	2002/0157075		02-20-2002	Steven Teig et al.	Application regarding related placement technology.
	46.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	Application regarding related placement technology.
	47.	Preliminary Amendment S/N 10/329,241		12-23-2002	Steven Teig et al.	This Preliminary Amendment is submitted as the publication 2003/0088841 does not accurately reflect the claims of S/N 10/329,241.

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